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# NUMBERS & ODDITIES #
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-::: N&O #07 :::-

Hello, work related circumstances force me to devote less time to the hobby, which means that the column will be much shorter unless I get more input from you. Note that there was -except for the logs- NIL input this month!

* SINGLE LETTER CHANNEL MARKER *

I found a very interesting note about the 'U' marker in Rimantas Pleikys' excellent book 'Jamming'. I wonder if the others that are still around serve the same purpose. The single markers (not the clusters) are Russian Naval stations. The clusters are probably also military stations although there is no proof of that because no-one has ever heard traffic on these channels.

A quote from 'Jamming': 'The U channels were used to transmit orders to the jammers, most likely to issue jamming frequency time and schedules. It must have been that U channels were used as backup instead of the teletype link to Moscow. It is also believed that the U marker on the SW bands was used also for civil defence and other purposes. It is worthwhile to note that when the USSR ceased its jamming on 30-11-1988, the U marker transmitters continued to operate for almost 18 months! This would indicate that throughout most of the USSR jamming system continued to be kept ready to start again.'

-0-0-0-0-0-0-0-0-0-0-

* MORSE STATIONS *

::: M21

It came to my attention that the Russian Air Defense Forces, as of May of this year, no longer exist as a separate unit of the Russian military. They have been combined with the Frontal Aviation, Strategic Aviation, and Airlift to form the new "Russian Air Forces"

I logged M21 on 5141.5 and 3838 recently

::: M63

The station is around for several years. It was first heard in 1994. Who and where are they? Well, df's pinpoint this station in Roumania. Who the users are? It is said to be a Roumanian border guards network. The ACF23 RTTY system is -as far as I know- only used by Roumanian government stations (diplo, military). One thing bothers me though, and that is the language on the net, it is English, not Roumanian. Quite illogical for a Roumanian internal network, right? Anyway, to get you all involved, here are the station's characteristics. We can hardly await your comments :-)

o Characteristics

It operates on two frequencies in parallel. The station was first heard in 1994, when it was using the callsign "G7", the second freq used the callsign "K4", and all the other stations also had letter-figure call-signs; even then, it used the same RTTY, 115.74 bd ACF 23. The callsigns changed to the present A2A and B4G in 1995. When transmitting RTTY, A2A and B4G have a center freq ending on .9 and a shift of ca 400 Hz.

The procedure, and the unusual "Q" codes, have been the same since 1994. Circuit discipline is very strict. Chats between two operators haven't been logged so far. All contacts are very short and formal. Both A2A and the out-stations apparently keep continuous watch; A2A usually answers promptly if called by one of the out-stations, and occasionally A2A calls one of them expecting him to be listening.

There seem to be no fixed skeds, but there is a transmission at 05.00 UTC daily on 5807/6763 kHz unless cancelled by an earlier message. A2A is on its (variable) overnight freqs until 04.55, then without warning it moves to 5807/6763, calls CQ at 05.00, and usually immediately gives a change of frequency, sometimes back to the night freqs! Very rarely it comes on before 05.00, on its night freqs, and sends "For QTR 0800 A2A QSW -- and B4G QSW --". So obviously the stations on the net expect a transmission at 05.00 (08.00 local time), and listen on 5807 and 6763 unless told to listen elsewhere. When the 5807 and 6763 freqs are being used, the other stations will answer on 4753 kHz.

o Frequency identifiers

There is a series of numbered frequencies. The station operates, usually, within 5 kHz of one of these. The freqs are scattered throughout the spectrum, but so far no freq > 7 MHz has been noted. The identifiers run from ..1 to .13 and are in reverse order of frequency.

The station transmits occasional service messages in CW. Sometimes only a new operator is announced. Each operator has an id-number. A message may look like this 'GE FM OP 107'. Most messages are to announce a freq change, which goes like this:

'NW FOR ALL QSY 501 PLUS 2 - A2A QSW 605 MINUS 5 - B4G QSW 608 PLUS 4'

So, always a transmit freq for both A2A and B4G and one freqs for the other stations to reply.

Now then, what are the new freqs? Let's have a look:

501= 5115 kHz + 2 = 5117 kHz

605= 4110 kHz - 5 = 4105 kHz

608= 3390 kHz + 4 = 3394 kHz

Usually such messages are followed by an exchange of signal reports with some 40 other stations, always beginning with Y2A. Occasionally a few of the out-stations are called by A2A / B4G, and that's always the same few.

o Modes and language.

* CW

* Unid mode 115.74bd RTTY, ACF 23 (some say it's RAC-ARQ). Center frequency ending on .9 and a shift of ca 400 Hz.

* Language: abbreviated English, sometimes the French word 'ici' (here) is used instead of the usual 'hr' (here).

o Logged frequencies

2775	3180	3185	3235	3325	3390	3395	4065	4085
4110	4145	4165	4315	4360	4545	4565	4755	4905
5005	5060	5115	5175	5305	5605	5805	6763	6765 kHz

o Frequency indicators

* 307 - 6765 313 - 5605

* 413 - 5175

* 501 - 5115 504 - 5005 505 - 4905 506 - 4755

507 - 4565 508 - 4545 512 - 4360 513 - 4315

* 603 - 4165 604 - 4145 605 - 4110 606 - 4085

607 - 4065 608 - 3390 611 - 3325 613 - 3235

* 701 - 3180 702 - 2775

None of these numbered freqs seem to be more than 13; they go from 301 to 313, 401 to 413 and so on.

o Callsigns

A3P	A6N	B50	B8M	C2Y	C7N	D4X	D9M	E2L	E3Z	F4K
G8I	G9U	H6J	H7T	I1H	J3R	J8G	K1P	K3F	L5E	M6L
M7D	N4K	N9C	O2B	P4A	P8W	P9I	Q2J	R7H	U1C	V1R
Y2A	Z6C	X4B	T3F	L80	V8D					

o Sample messages

VVV QRA DE A2A QRA DE A2A QRA DE A2A

VVV QRA DE A2A QRA DE A2A QRA DE A2A

NW HR QTC 1 FOR ALL= NW WFI

followed by 115.75bd RTTY, and back to CW

NW FOR ALL HR WRW NR 1733 GR 150 WRW NR 1733 =
PSE QSL 1 IND WRW =

and then calling its network to receive signal reports on the QSW
frequency, like this:

A2A: V1R
V1R: V1R
A2A: GE K
V1R: GE R 1383 WRW 1723 TO 1733 WRK 3 OP 392 TKS
A2A: 1091 R 2 R 3 TU EE

::: M8
Bob Roehrig <broehrig@admin.aurora.edu> posted this on Spooks last
month. Additions are most welcome. Thanks for the info, Bob!

Bob sez: ''I offer this list not as an official list but what I have
logged and seen that others have logged recently thru your postings.
The ? are ones I have not seen reported for at least 3 months.''

CW Cut Numbers Stations (M8) List Sep 2, 1998

ZULU	KHZ	M	T	W	T	F	S	S	ZULU	KHZ	M	T	W	T	F	S	S
====	=====	=	=	=	=	=	=	=	====	=====	=	=	=	=	=	=	=
0100	4506				X				0100	7889	X						
0100	12215	X							0200	5118					X		
0200	5419	X							0200	5758		X					
0200	6827	X							0300	4016	X						
0300	4028	X			X		?		0300	4478						X	
0300	4506		X				?		0300	5416		X					
0300	5419			X					0300	5758					X		
0300	6796						?		0300	7725				?			
0400	4016			X					0400	4034						?	
0400	4507				X				0400	6768	?						
0400	6776	?							0400	6787				?			
0400	6798	?							0400	6850						?	
0400	6854			X					0400	7483				?			
0400	7680	?	X						0500	6855	X	?		?		?	
0500	7580				?				0500	7682		?					
0500	8065			?					0500	9154	X						
0600	4027	?							0600	4328						?	
0600	5140				?				0600	6769			?				
0600	6785	X							0600	9238			?				
0700	5420						?		0700	6798						?	
0700	6983			?					0800	6787	?	?		?			
0800	6797					X			0800	6825		?					
0800	6855			?		?			0800	7580	?						?

0800	7845		?	?	?	?	0900	6787	?		?
0900	6798			?			0900	6825	?		
0900	6855			?	?		0900	7580	?	?	?
1000	6786	X	X	?	?	?	1000	6825	X	?	?
1000	7580			?			1100	6787			?
1100	7846	X	X				1100	8067	X	X	?
1100	8187			X	?		1200	6767			?
1200	6825			X			1200	6982	X		
1200	10858	X	X				1300	6796	X		
1300	6825			?			1300	6932	?	?	
1300	6982				X		1300	7320		X	X
1300	7890	?	?				1300	10566	X		?
1300	12098			X			1800	13374	X	?	?
2300	4508			?			2300	6886	?		
2300	7786			X							

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* FAPSI *

Several people asked for a FAPSI RTTY frequency list. This list was compiled using the WUN/Spooks logs from the past eight months. The entries marked with '*' are new links noted since the last update of this list in June 1997. Thanks to Bob and Dave for your help.

Frequency	callsign	to	link	UTC
-----	-----	---	-----	----
5425		PAO	00035	1635
6891		RAD	70037	1750
6891		RAD	70037	1920
7952		RAD	70037	2148
8021		RAD	70037	1900
9213		GMN	00119	0045
9216		GMN	00119	0045
10328		BPA	00116	1515
10416		KUL	00142	0730
10586			20076	1230
10686			20043	1240
10698		BPA	00116	0730
10842	WFO	MIG	00125	2245
10854		KUL	00142	1410
10974		RAD	70037	1833
11433		UXW	40034	0956
11460			60047	time?
11523		GMN	00119	0045
11637		GMN	00119	0045
12101		SPK	00168	1130
12125		RAD	70037	1526
12134.8			10050	1538 *

12134.9		00247	1540
12136		NOB 70004	1200
12137		RAD 70037	1435
12137		RAD 70037	1530
12137		RAD 70037	1605
12147		RAD 70037	0750
12157		RAD 70037	0918
12157		RAD 70037	1449
12167		90037	1628 *
12174		NQX 00052	1320
12174		NQX 00052	1353
12174		RAD 70037	1736
12176		DKR 70060	0850
12176.4		00068	1657 *
12183		20043	1607
12183		20043	1638
12190		BAR 00135	1300
12193		KUL 00142	1411
12194		KUL 00142	1410
12196	MIG	WFO 00125	2245
12196	MIG	WFO 00125	2300
12196	MIG	WFO 00125	2303
13380		UMK 00155	0010 *
13404		RAD 70037	1110
13410		20076	1230
13413		00079	1230 *
13423	VNB	WQL 80061	0900
13423	VNB	WQL 80061	0900
13452		JMS 00127	2230
13506		UXW 40034	0910
13556		HZW 00117	2000
13558		30055	1550
14352		KAC 00128	1825
14352		KAC 00128	1906
14373		KAC 00128	2050
14402		00104	1200 *
14434		KRN 00178	1735
14441		RAD 70037	2050
14465		60047	0810
14532		SPK 00168	1200
14731		BPA 00116	1515
14788	WFO	MIG 00125	1515
14788	WFO	MIG 00125	2245
14823		POU 00190	1419
14843		JMS 00127	2230
14880		SPK 00168	1420
14916		RAD 70037	1724
14930		BAR 00135	1315

14941		WNY 00139	1800
15803		BAR 00135	1300
15835.8		70083	1458 *
15836		RAD 70037	0800
15836		RAD 70037	1253
15836		RAD 70037	1529
15837		UXW 40034	0930
16163		10075	1000
16180		VKX 00166	1100
16212		00085	0915 *
16218		HZW 00117	2000
16218		KRN 00178	1735
16218		YBU 00148	1400
16254		20076	0800
16255		POU 00190	0700
16257		RJA 90051	0840
16301.9		00018	0635 *
16313		00079	0900 *
17235	MIG	WFO 00125	1515
17235	MIG	WFO 00125	2303
17425		00054	1520 *
17429.9		30044	0552
17429.9		30044	0611
17430.4		30044	0539
17460		10075	0930
17463		10163	0920
17473		10163	0940
17475		RPO 80038	0820
18169		SPK 00168	1320
18229		10075	0940
18245		60047	1210
18401		KAC 00128	2050
18410		40078	0900
18422		00042	1331 *
18626		00079	1000 *
18703		YBU 00148	1400
18705		RPO 80038	0920
19023		BAR 00135	1300
19088		WNY 00139	1800
19110		00177	0830
19354		RPO 80038	0820
19923		PSN 00126	2240
20012		RSZ 00099	0910
20120		VTX 00098	0620
20170		CAZ 50002	1020
20952		30055	1000 *
20991		00099	0920
22865		PSN 00126	2240

* ISRAELI INTELLIGENCE *

In last month's column I covered these stations and mentioned the weird 'special' messages. They decided to give you all the opportunity to log these messages as KPA (E10) sent loads of this stuff lately. Nice :-)

Valeriano Martin posted this list to Spooks a couple of weeks ago. Note the pattern in the KPA50.. messages. Additions and comments are most welcome. Interesting that also the KPA59.. sequence uses the Z20D part of the suffix in many messages.

```
5230 2044 (11/Oct) rptg KPA59 // 4665 // 3270 (VM)
5230 2135 (11/Oct) rptg KPA50L8 (VM)
8127 0608 (12/Oct) rptg KPA202 Ended at 0620 (VM)
5230 2018 (12/Oct) rptg KPA50L9Z59 Ended at 2020 // 4665(VM)
5230 2057 (12/Oct) rptg KPA59 // 4665 (VM)
5230 2245 (12/Oct) rptg KPA50L10Z2 (VM)
8127 0518 (13/Oct) rptg KPA201 Ended at 0620 (VM)
5230 1830 (13/Oct) rptg KPA50L11 Ended at 1900 (VM)
5230 1624 (14/Oct) rptg KPA59Z20D until 1655 // 6745 (VM)
5230 1655 (14/Oct) rptg KPA50L13Z20D until 1725 // 6745 (VM)
5230 1725 (14/Oct) rptg KPA20D // 6745 (this frequency off at 1915) (VM)
5230 2327 (14/Oct) rptg KPA59Z20D (VM)
5230 2354 (14/Oct) rptg KPA50L14Z20D until 0013 // 4665 // 3270 (VM)
5230 0013 (14/Oct) rptg KPA59Z20D (VM)
5230 0047 (15/Oct) rptg KPA50L15Z20D until 0106 (VM)
5230 0106 (15/Oct) rptg KPA20D until 0135 (VM)
5230 0135 (15/Oct) rptg KPA59Z20D (VM)
4665 0342 (15/Oct) rptg KPA20D // 3270 (VM)
6745 1633 (15/Oct) rptg KPA50L21Z2 until 1703 // 5230 (VM)
6745 1730 (15/Oct) rptg KPA59 until 1756 (VM)
6745 1756 (15/Oct) rptg KPA50L22Z20D until 1824 (VM)
6745 1824 (15/Oct) rptg KPA59Z20D until 1852(VM)
5230 1852 (15/Oct) rptg KPA20D (VM)
5230 2226 (15/Oct) rptg KPA59Z20D until 2236 (VM)
5230 2236 (15/Oct) rptg KPA20D (VM)
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Note the pattern KPA50L#...

```
KPA50L 8 (11/Oct)
KPA50L 9 Z59 (12/Oct)
KPA50L 10 Z2 (12/Oct)
KPA50L 11 (13/Oct)
.
KPA50L 13 Z20D (14/Oct)
KPA50L 14 Z20D (14/Oct)
KPA50L 15 Z20D (15/Oct)
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.
KPA50L 21 Z2 (15/Oct)
KPA50L 22 Z20D (15/Oct)

Numbers + Oddities Logs column October 1998
* Jascha Ruesseler *
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znn000000@hotmail.com (use only if the other one is not available)

Hi, folks, welcome to the logs.

Our log format is as follows:

FREQ c/s Station Enigma-Code rest in free format should include time,
date, mode, details and initials.

+++++IMPORTANT+++++

Please, please write 10/aug for 10th of august, not 1008 or 0810. As
you will see in this issue, all other formats for the date will be
confusing, as everyone seems to use his/her own format for the date.
I do not have the time to reformat that.

Please note that i can only include logs in the column which stick to
this format. In this column I include logs posted to the spooks or wun
mailing lists or to Ary or myself privately. For a reference of the
enigma designators see n+o newsletter no.1. If you want to remain
anonymous, just send your logs to me or Ary with a note saying so.

More and more people seem to listen to the morse stations. This is
very much appreciated.

Let's open the logbook...

* LOGS *
#####

2961 M26, ??? 17.00 (Oct 19) CW //4106 kHz. '99 10654', 31 31 31 +
5FGs etc (AB)
3091 E10 MOSSAD 1946 (7 Oct) AM CIO 2 (JRU)
3164 unid sta 2300 (24 Sept) txm 509 for 5 mins in CW (JAMMO)
3389 V2 Atencion 0100z (06-10-98 Tue) AM 75691 39246 34342 all #s
uncertain - very faint & slightly obscured (PFR)
3595 XXX FAST CW PIPS 1950 (7 Oct) CW vy fast w-pips and a sound like
an old door which is opened in regular intervals. (JRU)

3640 Mossad, ISR 23.15 (Oct 23) AM MIW2 (AB)
3651 Russian Air Defense, RUS 22.57 (Oct 23) CW BT?? etc (AB)
3757 XX PIP 1948 (7 Oct) CW a continuous pip of the same time length (JRU)
3757 Unid, ??? 20.40 (Oct 25) CW 'the pip' (AB)
3838 M21. Russian Air Defense, RUS 20.02 (Oct 24) CW BT?? etc (AB)
3927 Atencion stn V2 (10-04-98) 0102Z AM in progress (BR)
4015 Cherta (S12) 2103 (7/Oct 98) USB id 971 null message format (DR)
4016 cut no's stn M8 (09-28-98) 0305Z CW in progress (BR)
4017 M12 2240 (02/Oct) CW Repeat of 5317 (VM)
4017.5 ANDUWRIGMT/M8 0200 Thursday 10/21/98 CW 5F/L/G. (JM4)
4027 M8 Cut-numbers 0600z (29-09-98 Tue) CW RRWIA IDUDN DAAAA (PFR)
4027 M8 Cut-numbers 0306z (02-10-98 Fri) CW in progress (PFR)
4028 unk unk 1010 AM (In tfc - fem/SS - thurs) 1 Oct 98 (LBJ)
4028 V2 Atencion 0500z (25-09-98 Fri) AM voice very faint - can't make out (PFR) 4028 unknown V2 1000 AM (Too weak to copy - Fem/SS -Thurs) 15 Oct 98 (LBJ)
4028.5 ANDUWRIGMT/M8 0300 Friday 10/23/98 5F/L/G in progress (JM4)
4029 unknown V2 1000 AM ATTENTION 60450 66200 66473 (Cont'd - Fem/SS - Thurs - weak) 8 Oct 98 (LBJ)
4029 unknown V2 1100 AM ATTENTION (QRM -Fem/SS - Mon) 19 Oct 98 (LBJ)
4029 unknown V2 1015 AM (In 5fig/tfc/Fem/SS - Mon) 19 Oct 98 (LBJ)
4035 M51, F 21.39 (Oct 15) CW 5LG's (AB)
4036 unknown V2 1105 AM (In tfc - Fem/SS - Wed) 7 Oct 98 (LBJ)
4036 unknown V2 1100 AM ATTENTION (too weak to copy - Fem/SS - Wed) 14 Oct 98 (LBJ)
4036 unknown V2 0412 USB (In 5fig/tfc - Fem/SS - Mon) 12 Oct 98 (LBJ)
4106 M26, ??? 16.50 (Oct 18) CW '99 10704'. At 1700 '99' for 3 mins, then resumes the '99 10704' routine. Changed msg at 1900 to '99 10528' // 2961 kHz. (AB)
4165 VLB2 Mossad/E10 0047 USB VLB2 (Cont'd - Fem/EE - Tue) 20 Oct 98 (LBJ) VLB2 Mossad/E10 0145 USB VLB2 (Mon) 12 Oct 98 (LBJ)
VLB2 Mossad/E10 0045 USB VLB2 (Mon) 12 Oct 98 (LBJ) KPA2 Mossad /E10 0120 USB KPA2 (Mon) 12 Oct 98 (LBJ) VLB2 Mossad/E10 2346 USB VLB2 (Cont'd - Sun) 11 Oct 98 (LBJ)
4173 unknown M8 1100 CW IMNRN NWUND IGGNA (Sun) 25 Oct 98 (LBJ)
4175 unknown V2 1008 AM (In tfc - Fem/SS - Wed) 7 Oct 98 (LBJ)
4175 unknown V2 1004 AM ATTENTION (too weak to copy - Fem/SS - Wed) 14 Oct 98 (LBJ)
4270 Mossad, ISR 23.00 (Oct 23) AM PCD + 5LGs (AB)
4360 Mossad, ISR 22.45 (Oct 23) AM SYN2 (AB)
4460 Mossad, ISR 23.00 (Oct 23) AM FTJ + 5LGs (AB)
4461 FTJ Mossad/E10 2303 USB FTJ (Cont'd - Fem/EE - Sat) 24 Oct 98 (LBJ)
4462 unknown V2 1111 AM (In 5fig/tfc - Fem/SS - Sun) 25 Oct 98 (LBJ)
4485 //5027 Czech lady control S17 1356 mon 5 Oct USB YL/CZ 555 (x3) 313(x3) 05 (JD)
4478 cut no's stn M8 (9/26/98) 0315Z CW in progress (BR)

4479 V2 Atencion 0401z (02-10-98 Fri) AM voice VERY faint - carrier quite strong (PFR)
 4506 cut no's stn M8 (9/24/98) 0100Z CW msgs URMWA DIDUN WNTDA (BR)
 4506 cut no's stn M8 (10-01-98) 0100Z CW msgs DWGGN IDUDD AUINA (BR)
 4506 M8 Cut-numbers 0401z (02-10-98 Fri) CW AWUIN UIIGN TRADA very faint (PFR)
 4530 German Lady (G7) 2052 (5/Oct 98) AM sked 418 key 2437 gc 52 (DR)
 4560 YHF2 Mossad/E10 0402 USB YHF2 (Mon) 12 Oct 98 (LBJ)
 4612.2 SPOOK CW 0400 "483 483 483 00000" repeated, good, cut 0 = T. (11 OCT) (ANUS)
 4620 German Lady (G7) 2050 (28/Sep 98) AM sked 359 key 181 gc 53 (DR)
 4620 English Man, RUS 22.03 (Oct 13) AM in progress (AB)
 4620 English Man, RUS 21.45 (Oct 14) AM Tests at 2145-2150, calls 813 in Russian and English (AB)
 4620 English Man, RUS 22.00 (Oct 14) AM 813(R4) 246 109 5FG (AB)
 4620 On October 14, at 22:00-22:23 UTC, Russian Man(?) in English on 4620 (SIO 544 here in Vilnius; AM mode; QRM from UZB-76 on 4625 kHz). Carrier from 21:40; 1 kHz tones from 21:45. Test ann. "813" in Russian and English! New frequency? Any comments? (RP)
 4625 S28 THE BUZZER 1722 (7 Oct) mode ? buzzing as always (JRU)
 4625 Buzzer, RUS 21.59 (Oct 15) BURSTS Bursts change to 'siren'(no stops between the bursts) between 21.59m30s and 22.00 UTC (AB)
 4640 //5046 E5 Counting Station 0008z (07-10-98 Wed) AM 178 count - could not hear groups because of fading and interference (PFR)
 4640 //5046 TCS/E5 0000 Thursday 10/21/98 YL/EE rptg 924 Count 56 into 3/2FG. (JM4) 4640//5046 TCS/E5 0000 Thursday 10/15/98 YL/EE rptg 178. Count 88 into 3/2FG. (JM4)
 4665 // 3270 Mossad E10 2148z mon 12 Oct USB YL/EE KPA 59 (JD)
 4665 KPA2 Mossad/E10 0115 USB KPA2 //5230 24 Oct 98 (LBJ) Mossad, ISR 23.15 (Oct 23) AM KPA2 (AB)
 4780 E10 MOSSAD 1717 (7 Oct) AM MIW 2 //5530 (JRU)
 4815 SPOOK 3-NOTE ODDITY 0405 3-tone IS to 0410, then GG W 5FGs 2x. Good level, first time heard here. (11 OCT) (ANUS) * note time! -jru *
 4880 ULX2 Mossad/E10 0130 USB ULX2 //6270 24 Oct 98 (LBJ) Mossad, ISR 23.00 (Oct 23) AM ULX + 5LGs (AB) ULX2 Mossad/E10 0400 USB ULX2 (Mon) 12 Oct 98 (LBJ) ULX2 Mossad/E10 0130 USB ULX2 (Mon- //6270) 12 Oct 98 (LBJ) ULX Mossad/E10 2300 USB ULX (Cont'd - Sun) 11 Oct 98 (LBJ) ULX Mossad/E10 0230 USB ULX (Cont'd - Sun) 11 Oct 98 (LBJ)
 4915 SPOOK 3-NOTE ODDITY 0442 GG W 5FG 2x already in progress, fair. (11 OCT) (ANUS) * note time ! -jru *
 5015 Two-Letter German 0130 Tuesday 10/20/98 YL/GG rptg "Golf Kilo" w/a 77 group message for 577. It appears Tuesday/Thursday at 0130 on 4-5mhz freqs will be this winter's GK schedule. (JM4)
 5071 UNID EE Man Numbers Stations (USB) Sep 25, 0426 UTC Tuned in at the end of transmission: 106 106 000. Open carrier untill s/off at 0427. (KH)

5091 MOSSAD (E10) 2033Z (13.08.98) USB id JSR grp 84 (SD)
 5092 E10 MOSSAD 1701 (7 Oct) AM JSR, msg followed (JRU)
 5116 cut no's stn M8 (9/25/98) 0200Z CW msgs URMWN UIUGN WWAGD (BR)
 5117.5 ANDUWRIGMT/M8 0200 Friday 10/16/98 5F/L/G in progress. (JM4)
 5127 From 1950 to 2000 German YL calling out the following sequence
 : 3 times "771" and after an about 2sec gap "1" (sieben sieben
 einseins). From 2200 hrs onwards "960 149" and read 149
 x 5G. Following this "202 000" was announced and cut off the
 carrier (no message for 202?). The reading was quite uniformly
 tempoed at 50 5G in 5 min. (AC)
 5167 M12 1854 (27/Sep) CW ID 105 Null message (VM)
 5170 // 7811 Mossad E10 (JD) 2150z mon 12 Oct USB YL/EE CIO 2 (JD)
 Mossad, ISR 22.45 (Oct 23) AM CIO2 (AB)
 5178 BACKWARDS MUSIC STATION (XM) 2003Z (29.08.98) USB (SD)
 5178 XM BACKWARDS MUSIC STATION 1954 (7 Oct) USB with the usual
 sound (JRU)
 5230 E10 MOSSAD 1718 (7 Oct) AM KPA 2 (JRU) KPA2 Mossad/E10 2206 USB
 KAP2 18 Oct 98 (LBJ) KPA2 Mossad/E10 0315 USB KPA2 (Wed) 14 Oct
 98 (LBJ) KPA2 Mossad/E10 2205 USB KPA2 (Tue) 13 Oct 98 (LBJ)
 KPA2 Mossad/E10 0415 USB KPA2 (Mon - // 4665 //6745) 12 Oct 98
 (LBJ) KPA50L8 Mossad/E10 2203 USB KPA50L8 (Cont'd) KPA2 (2205Z)
 11 Oct 98 (LBJ) KPA2 Mossad/E10 2315 USB KPA2 (Cont'd - Sun) 11
 Oct 98 (LBJ) KPA2 Mossad/E10 0315 USB KPA2 (Cont'd -Sun //4665)
 11 Oct 98 (LBJ) KPA2 Mossad/E10 0215 USB KPA2 (Cont'd - Sun -
 //4665) 11 Oct 98 (LBJ)
 5243 German Lady (G7) 2030 (12/Oct) AM sked 418 key 1531 gc 73 (DR)
 5317 M12 2222 (02/Oct) CW ID 730 Two messages. 1st: 8696 68, 2nd:
 4637 65 (VM)
 5330 M51 0438 (07/Oct) CW "NR 75 0 07 06:38:31 1998" (VM)
 5419 M8 Cut-numbers Morse 0300z (24-09-98 Thu) CW WGIID WMIND RUTTD
 (PFR) 5419 M8 Cut-numbers 0300z (01-10-98 Thu) CW AWUIA UIIGA
 AIIDA lots of noise and buzz obscuring txmn (PFR) M8 Cut-numbers
 0221z (03-10-98 Sat) CW in progress (PFR)
 5419.5 ANDUWRIGMT/M8 0200 Monday 10/19/98 5F/L/G. (JM4)
 5435 MOSSAD (E10) 2032Z (13.08.98) USB id ART (SD)
 5448 Unid, ??? 14.34 (Oct 25) CW 'the pip' (AB)
 5448U SPOOK "The Pip" 0445 fair w/ 1 sec raspy beep repeated, sorta
 like 4625 before its reincarnation as The Buzzer. Haven't heard
 it since, and nothing on 3757 either. (11 OCT) (ANUS)
 5530 MOSSAD (E10) 2016Z (13.08.98) USB id MIW2 (SD)
 5530 MIW2 Mossad/E10 0315 USB MIW2 (Cont'd - Sun) 11 Oct 98 (LBJ)
 5530 MIW2 Mossad/E10 0315 USB MIW2 (Wed) 14 Oct 98 (LBJ)
 5530 MIW2 Mossad/E10 0117 USB MIW2 (Sat) 24 Oct 98 (LBJ)
 5629 // 3640 Mossad E10 (JD) 2149z mon 12 Oct USB YL/EE VLB 2
 5688 CUBA Babbler 1252 (1 OCT) idle tx w/ hum, first time heard in
 a while (ANUS)
 5732 Two-Letter German/G16 0130 Thursday 10/21/98 YL/GG rptg Golf
 Kilo w/another 77 group message for 577. QRM from USCG/Customs

wkg C7.(JM4) Two-Letter German/G16 0130 Thursday 10/15/98 YL/GG
rptg "Golf Kilo" w/electronic tune. At 0135, "Messages for 577..
577; 77 gruppen... Achtung!" and into 3/2FGx2. S9 - winter DX is
back! (JM4)

5746 M51 0631 (29/Sep) CW in progress (VM)

5758 M8 Cut-numbers 0306z (02-10-98 Fri) CW in progress (PFR)

5758.5 ANDUWRIGMT/M8 0300 Friday 10/23/98 5F/L/G in progress. (JM4)

5762 Atencion/V2 0200 Saturday 10/3/98 YL/SS 5FG in progress. (JM4)

5762 V2 Atencion 0221z (03-10 Sat) AM in progress - very faint (PFR)

5791 M12 2104 (30/Sep) CW ID 957, preamble: 7197 105 (VM)

5800 Atencion stn V2 (09-28-98) 0305Z AM in progress (BR)

5823 English man E7 2115 (05/Oct) ID 888 Null message (VM)

5834 Phonetic alphabet pre NATO E15 1908 sat 10 Oct USB OM/EE QRU
callsign missed (JD)

5922 M51 2220 (30/Sep) CW "NR 81 0 01 00:20:34 1998" (VM)

6270 unk Mossad/E10 0105 USB (In 5 ltr tfc female/EE- suspect ULX -
sun) 27 Sep 98 (LBJ) E10 MOSSAD 1533 (7 Oct) AM ongoing msg
(JRU) ULX MOSSAD/E10 0100 USB ULX (Cont'd - //7760 - Mon) 5 Oct
98 (LBJ) MOSSAD/E10 0100 Sunday 10/11/98 YL/EE rptg ULX into
5LG. (JM4) MOSSAD/E10 0100 Thursday 10/21/98 YL/EE rptg ULX
weak. (JM4) MOSSAD/E10 0100 Monday 10/19/98 YL/EE rptg ULX into
5LG.(JM4) MOSSAD/E10 0100 Wednesday 10/14/98 YL/EE rptg ULX
into 5LG.(JM4) ULX Mossad/E10 0430 USB ULX (Mon - //4880) 12 Oct
98 (LBJ)

6575 Mossad E10 2035 (30/Sep) repeating HNCU until 2036 (VM)

6575 Mossad E10 2320 (01/Oct) HNCM (VM)

6650 964 V2 1000 AM ATTENTION 964 03 (fem/SS - fri) 2 Oct 98 (LBJ)
964 V2 1003 AM (5FG tfc - Fem/SS -Fri) FINALE (x2) (1004Z)
ATTENTION 964 0. (Cont-d) 9 Oct 98 (LBJ). V2 1003 AM (In 5FG
tfc - Fem/SS - Fri) 23 Oct 98 (LBJ) V2 1000 AM ATTENTION (Too
weak to copy - Fem/SS -Fri) 16 Oct 98 (LBJ)

6658 MIW2 Mossad/E10 0415 USB MIW2 (Mon - //5530) 12 Oct 98 (LBJ)

6745 E10 MOSSAD 17.15 (8 Oct) AM KPA2 (LAG)

6753 XM BACKWARDS MUSIC STATION 1956 (7 Oct) USB sounded vy much
like a male voice, scrambled, with tones over it. Acc. to the
last numbers and oddities column this is a NATO comms device
from Palermo, Sicily, Italy. (JRU)

6767 M8 1200 CW UIMMA TDRUN NUWUS (Sun) 25 Oct 98 (LBJ) M8 1215 CW
(In 5ltr/cut/nrs) AR(x3) IAUTD (x5) BT(x3) ATTWR AWUNR ...
(1226z - Sun) 11 Oct 98 (LBJ)

6768 Atencion stn V2 (9/26/98) 0100Z AM (BR) V2 Atencion 0409z
(28-09-98 Mon) AM in progress (PFR) M8 Cut-numbers 1125z (02-
10-98 Fri) CW in progres - slightly obscured; very faint (PFR)
V2 0405 USB (In 5fig/tfc - Fem/SS - Mon) 12 Oct 98 (LBJ)

6782 V2 Atencion 0306z (02-10-98 Fri) CW in progress - no // found
(PFR). Atencion/V2 0300 Friday 10/23/98 YL/SS rptg "A 35455
98092 95381" into 5FG. (JM4)

6785 M8 1306 CW (In 5ltr/cut/nrs - Sun - Having problems with his

xmitter) 25 Oct 98 (LBJ)

6786 SPANISH LADY (V2) 0622Z (16.08.98) AM in progress (SD).
SPANISH LADY (V2) 0804Z (25.09.98) AM in progress (SD)

6786 M8 1006 CW (In 5ltr/cutnrs - Wed - +30db) 23 Sep 98 (LBJ).
M8 1004 CW (In 5ltr/cutnrs - Fri) WGITN BT(x3) UTAAW TUATU
25 Sep 98 (LBJ). M8 1000 CW AUDMD TNMTD RNMMMD (Cont'd - wed)
30 Sep 98 (LBJ). M8 1106 CW (In 5ltr/cutnrs - sat) 3 Oct 98
(LBJ). M8 1000 CW IUDDD WMNMD GNTNA (Cont'd - Wed) 7 Oct 98
(LBJ). M8 1000 CW RAATN WNINA GNTND (Fri) 9 Oct 98 (LBJ)

6786 V2 Atencion 0600z (27-09-98 Sun) AM 20551 04223 77722 rare
high-pitched voice (PFR). V2 Atencion 0800z (02-10-98 Fri) AM
in progress - very faint (PFR)

6786 M8 Cut-numbers 0600z (29-09-98 Tue) CW IDMIA NIATN RUDD (PFR)
M8 0600 (22/Sep) IDs: IRNNA NMTAD ARUDA (VM). M8 1000 CW MGAMA
GADMN MDUTA (Fri) 23 Oct 98 (LBJ). SPOOK CW (most likely M8)
2200 "730 730 730 1" rptd, cut 0 = T, 20 wpm. 2205:30 went
into 35 wpm 5FGs 2x. (13 OCT) (ANUS). M8 1000 CW GRATW IWRUD
RUTIA (Wed) 14 Oct 98 (LBJ). M8 1000 CW WADUN RAITA RUTID
(Fri) 16 Oct 98 (LBJ). M8 1007 CW (In 5ltr/cut/nrs - Mon) 19
Oct 98 (LBJ). M8 1000 CW RAATN WNINA GNTND (Fri) 9 Oct 98
(LBJ). M8 1008 CW (In 5ltr/cutnrs)(Tue) AR (x3) WUMDN (x5)
BT(x3) ATNNT RAWRT ...(1015z) 22 Sep 98 (LBJ)

6787 728 V2 1006 AM ATTENTION 728 06 (Cont'd) 06 64 (Cont'd -
thurs - fem/SS - Second SS nr stn in tfc on same freq, but
different from 728 sked) 1 Oct 98 (LBJ). V2 1003 AM (In tfc -
Fem/SS - Thurs - weak) 8 Oct 98 (LBJ). M8 1005 CW (In 5 ltr/
cut/nrs - Tue) 6 Oct 98 (LBJ). V2 1002 AM ATTENTION 06192
54772 89032 (Cont'd - Fem/SS - Thurs) 22 Oct 98 (LBJ). V2
1000 AM (Too weak to copy - Fem/SS -Thurs) 15 Oct 98 (LBJ)

6787 M8 1000 CW DRGRA NGAMN MARWU (Tue) 13 Oct 98 (LBJ)

6797 V2 Spanish Atencion 0500z (24-09-98 Thu) AM Carrier only until
0504z then "Atencion 10121" then cut off; started for good at
0505z 10121 71952 44042 (PFR)

6790 German Lady (G6) 2008 (5/Oct) AM sked ??? key 524 gc 136? (DR)

6796 M8 1208 CW (In 5ltr/cutnrs - sat - weak) 3 Oct 98 (LBJ)

6796 Atencion/V2 0200 Monday 10/19/98 YL/SS rptg "A 01953 30941
35452" into 5FG. (JM4). Atencion/V2 0200 Monday 10/5/98 YL/SS
rptg "A 39343 66392 52353" into 5FG. Rare LSB! (JM4). V2
Atencion 0512z (01-10-98 Thu) AM in progress (PFR)

6817 M13 0500 (09/Oct) CW 365 = 169 20 = (VM)

6825 M8 (10-01-98) 1204Z CW in progress (BR). M8 0200 CW AUATN ANNMA
RANNA (Tue) 20 Oct 98 (LBJ). M8 1000 CW WUUAA IWRMN MNADA
(Tues) 22 Sep 98 (LBJ). M8 1000 CW AUDMU BT(x3) MTAAW TWADT
(Thurs) 1 Oct 98 (LBJ). M8 1000 CW (In 5ltr/cutnrs - sat) 3 Oct
(LBJ).

6826 Atencion stn V2 (09-28-98) 0305Z AM in progress (BR). V2 0324
AM (In 5fig/tfc - Fem/SS - Wed) 14 Oct 98 (LBJ)

6826 M8 1000 CW IUDDN GDGWN WTUMD (Cont'd - Tue) 6 Oct 98 (LBJ). M8

1000 CW TWMRN RWRTN MNWGA (Cont'd - Wed) 7 Oct (LBJ). M8 1000
 CW RAATA GDGWD RDMID (Cont'd - Thurs) 8 Oct (LBJ). M8 1000 CW
 WADUA GNNGD RNMGN (Thurs) 15 Oct (LBJ). M8 0606 (24/Sep) CW in
 progress (VM). M8 1000 CW GRATU GNNGN GWNGU (Tue) 13 Oct (LBJ)
 6827 M8 1005 CW (In 5ltr/cutnrs - Wed - +20db) 23 Sep 98 (LBJ). M8
 1000 CW DTNUA GGTAD DAIIN (Cont'd - wed) 30 Sep (LBJ). M8 0712
 (20/Sep) CW in progress (VM). M8 0700 (27/Sep) CW IDs: DMDID
 MTGRN MDGAD (VM). M8 1000 CW DRGRN MINMA DGAGA (Wed) 14 Oct
 (LBJ).
 6830 Atencion YL/SS 6830 0300 Sept/30/98 in Denver. USB (ED)
 6840 E10 Mossad No. Stn. 0503 (6 Oct) AM ongoing msg (JRU)
 6840 E10 MOSSAD 1600 (7 Oct) AM EZI, msg followed also at 1630 with
 EZI2 // 9130 and at 0731 with EZI and msg, // 9130 agn (JRU)
 6840 E10 MOSSAD 1958 (10 Oct) AM EZI (JRU)
 6840 E10 MOSSAD 1731 (11 Oct) AM EZI, msg, groups 31 (JRU)
 6843 Two Letter (G16) 2131 (28/Sep) USB ????? 846 59 gruppen (DR)
 6853(qrg?-jru) Two Letter (G16) 2130 (5/Oct 98) USB id Golf Kilo (DR)
 6855 Atencion stn V2 (09-28-98) 0305Z AM in progress (BR)
 6855 M8 Cut-numbers 0911z (03-10-98 Sat) CW in progress (PFR)
 6855 M8 0527 (05/Oct) CW in progress (VM)
 6856 M8 Cut-numbers 0605z (10-10-98 Sat) CW in progress (PFR)
 6856 M12 1800 (28/Sep) CW ID 658 (VM)
 6866 M8 Cut-numbers 1303z (26-09-98 Sat) CW In progress (PFR)
 6891 FAPSI Moscow, RUS 19.20 (Oct 18) RTTY 75bd Many long msgs to
 RAD on link 70037 (AB)
 6932 M8 1313 CW (In 5ltr/cutnrs - sat - weak) AR(x3) NDWGN (x5)
 BT(x3) DUGU ... (1314z) 3 Oct 98 (LBJ)
 6933 M8 Cut-numbers 0800z (02-10-98 Fri) CW in progress (PFR)
 6957 English Man (E7) 2043 (28/Sep) AM sked 319 key 1409 gc 60 (DR)
 6957 English Man (E7) 2040 (30/Sep) AM sked 319 key 1409 gc 60 (DR)
 6957 German Lady G7 2012 (21/Sep) ID 359, preamble: 181 53 (VM)
 6959 // 8464 E3 LP 1703 (12 Oct) USB ID: 61238 (JRU)
 6959 Lincolnshire Poacher E3 2200 (12 Oct) USB Tune, msg (HS)
 6976 M51 0613 (05/Oct) CW "NR 12 0 05 08:13:52 1998" (VM)
 6976 M51 0638 (08/Oct) CW "NR 62 0 08 08:42:25 1998" (VM)
 6982 M8 (09-27-98) 1310Z CW in progress (BR). M8 (09-28-98) 1204Z
 CW in progress (BR). M8 (10-04-98) 1310Z CW in progress (BR)
 M8 (10-05-98) 1203Z CW in progress (BR). M8 1300 CW UIMMA
 TDRUN NUMUA (Sun - Having problems with his xmitter) 25 Oct
 (LBJ). M8 1303 CW NIDW. MN... IAUT. (Very weak - Sun) 11 Oct
 98 (LBJ)
 6983 Atencion stn V2 (9/25/98) 0200Z AM (BR). V2 0200 Friday 10/9
 YL/SS rptg A 35451 35132 59853 and into 5FG. (JM4). Atencion
 V7 0220 (10 Oct) AM In progress (HS). Atencion/V2 0200
 Friday 10/16 YL/SS rptg "A35454 01952 51192" into 5FG. (JM4)
 6984 V2 1105 AM (In tfc - Fem/SS - Thurs) 8 Oct 98 (LBJ)
 6984 V2 1100 AM ATTENTION 06192 54772 89032 (Cont'd - Fem/SS -
 Thurs) 22 Oct 98 (LBJ). V2 1100 AM ATTENTION 06191 54771 89031

(Fem/SS - Thurs) 15 Oct 98 (LBJ)

7472 Atencion stn. V2 0614 (24/Sep) in progress (VM)

7519 M8 0410 (07/Oct) CW in progress. 2nd ID: TWMRA, 3rd: RDMIN (VM)

7529 RUSSIAN MAN (S7) 0500Z (06.08.98) AM call-up 549 549 549 1 id
248 72 (SD). RUSSIAN MAN (S7) 0500Z (20.08.98) AM call-up 549
549 549 1 id 248 72 (SD)

7532 Two Letter (G16) 2000 (7/Oct 98) USB id Golf Kilo (DR)

7540 German Lady (G6) 1903 (5/Oct 98) AM sked 907? key 524 gc
136? (DR)

7572 Backward Music Station 20.45 (12 Oct) (LAG)

7581 M8 1008 CW (In 5 ltr/cut/nrs - Thurs) 8 Oct 98 (LBJ). M8 0500
(24-09-98 Thu) CW IRNNN NIATA ARUDN (PFR). M8 0512z (01-10-98
Thu) CW in progress (PFR). M8 1000 CW DRGRD RINUA RUTIN (Thurs)
15 Oct 98 (LBJ)

7584 V2 1003 AM (In 5fig/tfc - Fem/SS - very weak - Mon) 19 Oct 98
(LBJ). V2 0200 AM ATTENTION 37453 38432 01971 (Fem/SS - Wed) 14
Oct 98 (LBJ)

7591 M12 2050 (30/Sep) CW in progress (VM)

7605 E10 MOSSAD 16.45 (8 Oct) AM SYN2 (LAG)

7605 Mossad SYN2 E 0345 (10 Oct) R3E No msg, gone at 0350 (HS)

7605 Mossad SYN2 E 0245 (10 Oct) R3E No msg, gone at 0250 (HS)

7679 //7680 M8 Cut-numbers 0509z (26-09-98 Sat) CW Definitely sounded
on two different frequencies - twiddling USB knob between 7679 &
7680 would cause one pitch to go up while other went down! 7680
was a lot stronger though. First time I've ever noticed anything
like this... reminiscent of the few times someone has reported
two V2 on the same or adjacent frequencies. (PFR)

7680 //7682 M8 Cut-numbers 0409z (28-09-98 Mon) CW similar to Satur-
day's txmn, but 7680 (lower freq) much stronger - in progress
(PFR). M8 0403 CW (In 5ltr/cut/nrs - Mon) 12 Oct 98 (LBJ)

7725 M8 Cut-numbers Morse 0300z (24-09-98 Thu) CW WUATU WUMDD WRDTN
(PFR)

7726 SPANISH LADY (V2) 0547Z (19.08.98) AM in progress (SD)

7737 RUSSIAN MAN (S7) 0520Z (25.09.98) AM call-up 973 973 973 1 (SD)

7737 RUSSIAN MAN (S7) 0520Z (26.09.98) AM call-up 973 973 973 1 id
168 111(SD)

7743 Russian man S7 2101 (01/Oct) ID 934 Null message (VM). Russian
Man (S7) 2102 (8/Oct 98) sked 934 null message format (DR)

7760 MOSSAD/E10 0100 Monday 10/5/98 YL/EE rptg "ULX" and into 5LG.
(JM4). MOSSAD/E10 0100 Sunday 10/11/98 YL/EE rptg ULX into 5LG.
(JM4). ULX Mossad/E10 0102 USB ULX (Cont'd - Fem/EE - Tue) 20
Oct 98 (LBJ). MOSSAD/E10 0100 Wednesday 10/14/98 YL/EE rptg ULX
into 5LG. (JM4). MOSSAD/E10 0100 Friday 10/16/98 YL/EE rptg ULX
into 5LG. (JM4). MOSSAD/E10 0100 Monday 10/19/98 YL/EE rptg ULX
into 5LG. (JM4)

7795 M23 1909 (03/Oct) CW ID 286, groups 68 (VM)

7811 E10 MOSSAD 20.45 (12 Oct)AM CI02 (LAG). CI02 Mossad/E10 0045
USB CI02 (Fem/EE - Tue) 20 Oct (LBJ). CI02 Mossad/E10 2145 USB

CI02 (Fem/EE - Mon - //5170) 19 Oct 98 (LBJ). CI02 Mossad/E10
 2245 USB CI02 (Fem/EE - Sun - //5170) 18 Oct 98 (LBJ). CI02
 Mossad/E10 2045 USB CI02 (Fri) 16 Oct 98 (LBJ). CI02 Mossad/E10
 0443 USB CI02 (Mon) 12 Oct 98 (LBJ). CI02 Mossad/E10 0145 USB
 CI02 (Mon) 12 Oct 98 (LBJ). CI02 Mossad/E10 0045 USB CI02 (Mon)
 12 Oct 98 (LBJ). CI02 Mossad/E10 2345 USB CI02 (Sun - //5170)
 11 Oct (LBJ). CI02 Mossad/E10 0150 USB CI02 (Sun) 11 Oct (LBJ)
 7820 UNID long, short, long, short, long, long tones repeated over
 and over. when tuned in usb these tones sound like played on a
 xylophone. hrd at ard. 2015 on Oct 7. any info ? (JRU)
 7830 M51 2058 (01/Oct) CW (VM)
 7845 M8 1100 CW TWMRN RWRTN MNWGA (Wed) 7 Oct 98 (LBJ). M8 1100 CW
 DRGRA NGAMN MARWU (Tue) 13 Oct (LBJ). M8 1100 CW WUATD WUNDN
 WRDTA (Tues) 22 Sep 98 (LBJ). M8 1102 CW WUATU GGTA AAIMD
 (Wed) 23 Sep 98 (LBJ). M8 1100 CW DTNUA GGTAD DAIIN (wed) 30
 Sep 98 (LBJ). M8 1100 CW TWMRA MUGGD MDDWD (Tue) 6 Oct (LBJ).
 M8 1100 CW DRGRN MINMA DGAGA (Wed) 14 Oct 98 (LBJ).
 7854 Atencion/V2 0100 Sunday 10/18/98 YL/SS 5FG in progress. Note
 new schedule. (JM4)
 7863 unid 1006 AM (In 5fig tfc - fem/SS - Sat) 3 Oct 98 (LBJ)
 7887 Atencion/V2 0200 Sunday 10/11/98 YL/SS rptg "A 35452 41341
 95941" into 5FG. (JM4). Atencion/V2 0200 Sunday 10/18/98 YL/SS
 rptg "A 35455 41342 95942" into 5FG. (JM4)
 7888 V2 0200 AM ATTENTION 37452 41341 97941 (Cont'd - Fem/SS -
 Sun) 11 Oct 98 (LBJ)
 7889 M8 Cut-numbers 0100z (06-10-98 Tue) CW missed header (PFR)
 7918 MOSSAD (E10) 0504Z (25.09.98) USB in progress (SD). MOSSAD
 (E10) 0504Z (26.09.98) USB id YHF (SD). MOSSAD/E10 0200 Sat.
 Oct/3/98 YL/EE rptg YHF and into 5LG. (JM4). E10 Mossad No.
 Stn. 0504 (6 Oct) AM ongoing msg. (JRU). MOSSAD/E10 0200 Mon.
 10/5/98 YL/EE rptg "YHF" and into 5LG. (JM4). MOSSAD/E10 0200
 Friday 10/9/98 YL/EE rptg YHF and into 5LG. (JM4). MOSSAD/E10
 0200 Sunday 10/11/98 YL/EE rptg YHF into 5LG. (JM4). E10 MOSSAD
 1803 (11 Oct) AM ongoing msg, just missed callup, most likely
 yhf. (JRU). MOSSAD/E10 0200 Thursady 10/21/98 YL/EE rptg YHF
 weak. (JM4) MOSSAD/E10 0200 Monday 10/19/98 YL/EE rptg YHF into
 5LG. (JM4). MOSSAD/E10 0200 Sunday 10/18/98 YL/EE rptg YHF into
 5LG. (JM4). YHF Mossad/E10 0200 USB YHF (Cont'd - Sun) 11 Oct
 (LBJ). MOSSAD/E10 0200 Thursday 10/15/98 YL/EE rptg YHF and
 into 5LG. (JM4)
 7987 M12 2041 (30/Sep) CW ID 098 Null message (VM)
 7990 M8 1100 CW DTNUN MWIDN UDGWA (Cont'd - thurs)(Also similar
 signals on 8000 / 8010 / 8020 / 8030 Signal on 8010 was the
 strongest of all. This is the second such intercept I have had
 on all of these freqs. Suspect very strong signal with sidelobs.
 1 Oct 98 (LBJ)
 8000 M8 1104 CW (In tfc 5 ltr/cut/nrs - too weak to copy - Thurs)
 8 Oct 98 (LBJ). M8 1100 CW GADMA TRMUN ANNDO (Thurs - sidelobs

on 8000 and 8020) 22 Oct 98 (LBJ). M8 1100 CW DRGRD RINUA
 RUTIN (Thurs) 15 Oct 98 (LBJ).

8020 M8 1100 CW TWMRD GITRA GNTNN (Cont'd - Thurs) 8 Oct 98 (LBJ)

8054 M8 Cut-numbers 0306z (02-10-98 Fri) CW in progress - VERY faint
 & obscured (PFR)

8064 M8 Cut-numbers 0500z (25-09-98 Fri) CW WGITA NIRRA TNMTA -
 appeared to be jammed, but not very effectively (PFR)

8065 +/- 0600z no sign of last week's V2 transmission

8066 M8 1100 CW UTWWA DTNUD UDGNW (Cont'd - Fri) 2 Oct 98 (LBJ)

8066 M8 Cut-numbers 1125z (02-10-98 Fri) CW in progress (PFR)

8066 M8 1100 CW WADUN RAITA RUTID (Fri) 16 Oct 98 (LBJ)

8066 M8 1100 CW MGAMA GADMN MDUTA (Fri) 23 Oct 98 (LBJ)

8067 M8 1100 CW AUDMD TNMTD RNMMD (Cont'd - wed) 30 Sep 98 (LBJ)

8067 M8 1100 CW INAMD WTUMN MUGGN (Cont'd - Mon) 5 Oct 98 (LBJ)

8067 M8 1100 CW IUDDD WMNMD GNTNA (Cont'd - Wed) 7 Oct 98 (LBJ)

8067 M8 1100 CW AUATN DRMDD ANNMA (Mon) 19 Oct 98 (LBJ)

8067 M8 1100 CW GRATW IWRUD RUTIA (Wed) 14 Oct 98 (LBJ)

8067 M8 1108 CW (In 5ltr/cut/nrs - Sun) 25 Oct 98) (LBJ)

8068 M12 1811 (04/Oct) CW in progress (VM)

8081 X6 1618 (05/Oct) Ended at 1630 (VM)

8125 993 TCS/E5 2205 USB 993 (x3) 1234567890 (Cont'd - Fem/EE - Sun
 - //10423) 18 Oct 98 (LBJ)

8127 VLB2 Mossad/E10 2345 USB VLB2 (fri - female/EE) 25 Sep 98 (LBJ)

8127 E10 MOSSAD 1448 (10 Oct) AM KPA59, still active at 1505 (JRU)

8157.5 989 1005 989 (Cont'd) 125(x2) 20(x2) BT(x2) 15603 33898...
 (Keyed cxx - QSZ - Tue - 25 WPM - Msg rptd - no ending) 13 Oct
 98 (LBJ)

8173 Two Letter (G16) 1902 (28/Sep 98) USB ????? 846 59 gruppen (DR)

8173 Two Letter (G16) 1900 (5/Oct 98) USB id Golf Kilo ????? 846 59
 gruppen (DR)

8177 M12 2110 (15/Sep) CW in progress (VM)

8186 M8 1100 CW IUDDN GDGWN WTUMD (Tue) 6 Oct 98 (LBJ)

8186 M8 1102 CW GRATU GNNGN GWNGU (Tue) 13 Oct 98 (LBJ)

8187 M8 1104 CW (In 5ltr/cutnrs - sat) INAMA (Cont'd) BT(x3) DTAAW
 TRAWR ... 3 Oct 98 (LBJ)

8187 M8 1100 CW RAATA GDGWD RDMID (Cont'd - Thurs) 8 Oct 98 (LBJ)

8187 M8 1100 CW WADUA GNNGD RNMGU (Thurs) 15 Oct 98 (LBJ)

8187 M8 1100 CW DNUUD NNNDD WNNMA (Thurs) 22 Oct 98 (LBJ)

8192 English Man (E7) 2022 (28/Sep) AM sked 319 key 1409 gc 60 (DR)

8192 English Man (E7) 2020 (30/Sep) AM sked 319 key 1409 gc 60 (DR)

8232 M53(?) 1000 CW VVV CQ 747.821 (Cont'd) (Tues)(Distorted/weak)
 22 Sept 98(LBJ)

8232 M53(?) 1010 CW (In 5 fig tfc - weak T=0) AR(x2) VA(x2)(1012z)
 2 Oct 98 (LBJ)

8232 M53 1000 CW VVV CQ 747.486 (Cont'd - Tue) 6 Oct 98 (LBJ)

8253 unid 1000 AM (In 5 fig tfc - female/SS - wed) 23 Sep 98 (LBJ)

8253 674 V2 1000 USB ATTENTION 674 09 (Cont'd) 09 65 (Cont'd) 89326
 47896 ... (Wed - fem/SS) 30 Sep 98 (LBJ)

8254 V2 1003 AM (In tfc 09 65 (Cont'd - Fem/SS) 89326 47896
...- Wed) 7 Oct 98 (LBJ). V2 1000 AM (In 5fig/tfc - Fem/SS
- Wed) 21 Oct 98 (LBJ)

8300 New Star Broadcasting/V13 1300 Wednesday 10/14/98 YL/CC 4FGx2
in progress. (JM4)

8375 New Star Broadcasting/V13 1300 Wednesday 10/14/98 YL/CC 4FGx2
in progress. (JM4)

8465 E10 MOSSAD 1401 (10 Oct) AM VLB2 (JRU)

8641 E10 Mossad No. Stn. 0446 (6 Oct) AM ID: SYN2 // 7605 (JRU)

8909 V2A Atencion Old Format 0600z (29-09-98 Tue) AM started late at
0604z Atencion 663 01 584 03 repeated then 01 44 (5x) then 5FG
w/ 2x "final" Then 03 48 (5x) then 5FG w/ 2x "final" and off at
around 0612z - first time I've seen two messages go out; usually
just a repeat of one message (PFR). 0613z (29-09-98 Tue) AM
repeated BOTH messages from 0600z (PFR)

9015 unid 1130 9/26/1998 AM 1 ol in Spanish 5fgs BTW the audio
was sub par. (CT)

9063 am - yl - ss - five number read. Off @ 0245z with short cw send
No carrier @ 0251z 8 Oct 98 (AD) 9063 Atencion? 0200 Thursday
10/21/98 carrier on - no broadcast materialized. (JM4)

9130 E10 MOSSAD 1404 (10 Oct) AM ongoing msg. (JRU)

9130 EZI Mossad/E10 2230 USB EZI (Cont'd - Fem/EE - Sun - //6840)
18 Oct 98 (LBJ)

9153 SPANISH LADY (V2) 0535Z (19.08.98) AM in progress (SD)

9160 MOSSAD/E10 0100 Monday 10/19/98 YL/EE rptg EZI2 then down. (JM4)

9216 GMN Fapsi stn M42 (9/24) 0052Z RTTY sending 46's - no tfc (BR)

9216 The English Man/E6 0215 Friday 10/23/98 OM/EE (hermaphrodite
voice) rptg 132 then 950 950 82 82 and into 5FGx2. Down w/950
950 82 82 00000. Carrier on at :00 w/test tones, and a one-time
182 call-up. OP forgot to stop test tones when broadcast started,
(JM4)

9216 English Man/E6 0215 Thursday 10/21/98 OM/EE (hermaphrodite
voice) w/132 call-up, then 950 950 82 82 and into 5FGx2. Down
at :33 w/950 950 82 82 00000. May repeat tonight. (JM4)

9226 HIGH PITCHED POLYTONE (XPH) AM 0600Z (05.08) AM (SD)

9226 HIGH PITCHED POLYTONE (XPH) AM 0600Z (19.08) AM null msg (SD)

9231 979 V2 1000 AM ATTENTION 979 04 (Fem/SS - Mon) 5 Oct 98 (LBJ)

9231 979 1000 AM ATTENTION 979 02 71106 (Fem/SS) (2nddifferent Nr/
Stn on same freq - Fem/SS) ATTENTION 35064 .1993 ..606) (Mon)
19 Oct 98 (LBJ)

9238 SPANISH LADY (V2) 0618Z (05.08.98) AM in progress (SD)

9251 LINCOLNSHIRE POACHER (E3) 2025Z (13.08.98) USB in progress (SD)
E3 LP 2001 (7 Oct) USB tune, ID: 92340, // 6959 (JRU)
LP/E3 2204 USB (Too weak to copy - //6959 - Tue) 6 Oct 98 (LBJ)
22833 LP/E3 2104 USB (Music) 22833 (Fem/EE - Sun) 18 Oct (LBJ)
58921 LP/E3 2100 USB (Music) 58921 (Fem/EE - Fri) 16 Oct 98
(LBJ). 34440 LP/E3 2100 USB (Music) 34440 (weak - //12603 -
N/H on 7337- Wed) 14 Oct 98 (LBJ). 58684 LP/E3 2100 USB (Music)

58684 (Fem/EE - Tue - //12603 //7337) 13 Oct 98 (LBJ). LP E3
 1900 (12 Oct) USB Tune, msg (HS). 91854 LP/E3 2100 USB (Music)
 91854 (Fem/EE - Sun) 11 Oct 98 (LBJ)
 9262 M13 2128 (15/Sep) CW in progress. 746 = 173 20 = (VM)
 9285 M23 1505 (28/Sep) CW ID 579 No message (VM)
 9331 cut no's stn M8 (9/23/98) 1215Z CW in progress (BR)
 9337 RUSSIAN MAN (S7) 0520Z (29.09.98) AM call-up 973 973 973 1
 id 168 111 (SD)
 9382 Mossad E10 0430 (09/Oct) AM YHF, groups 10. New frequency? (VM)
 9429 RUSSIAN MAN (S7) 0520Z (04.08.98) AM call-up 549 549 549 1 id
 248 72 (SD). RUSSIAN MAN (S7) 0520Z (20.08.98) AM call-up 549
 549 549 1 id 248 72 (SD)
 9468 Atencion stn. V2 0731 (20/Sep) "Atencion 348 12" (VM)
 10125 E10 Mossad No. Stn. 0445 (6 Oct) AM ID: VLB2 (JRU)
 10125 Mossad E10 1554 sat 10 Oct USB YL/EE VLB2 (JD)
 10129 unk 0001 AM (In tfc - female/SS - too weak to copy - sat) 26
 Sep 98 (LBJ)
 10177 Two Letter (G16) 1901 (29/Sep 98) USB id Whisky Lima ???? 522
 84 gruppen (DR). Two Letter (G16) 1900 (6/Oct 98) USB id Whisky
 Lima ???? 522 84 gruppen (DR)
 10223 // 13518 TCS E5 (9/23/98) 1212Z AM in progress (BR)
 10223 909 TCS 1206 USB 909(x3) 1234567890 (sat) 26 Sep 98 (LBJ)
 10223 240 TCS/E5 1203 USB 240(x3) 1234567890 (fem/EE -Sat - //13518)
 3 Oct 98 (LBJ) //13518 TCS/E5 1200 Wednesday 10/14/98 YL/EE
 rptg 240 Count 215 into 3/2FG. (JM4)
 10248 8BY Paris/France 2050 VVV(x3) 8BY(x3) 097/629/058/532 (Fri -
 Long zeros - //14931/12075/7668 - N/H on 18415) 16 Oct 98 (LBJ)
 10260 English Man (E6) 1901 (5/Oct) AM sked 194 null message (DR)
 10261.5 SPOOK CW 1034 "VVV CQ 747.456" repeated at 25 wpm, 1036 into
 5FGs 2x, cut 0 = T, missed preamble. Weak, fluttery, Euro site
 maybe. (15 OCT) (ANUS)
 10263 // 12150 TCS E5 (Sept-27-98) 2100Z AM msg 154 count 105 (BR)
 154 TCS/E5 2100 USB 154(x3) 1234567890 (Fem/EE - Sun - //12150)
 4 Oct 98 (LBJ). //12150 Counting Station (E5) 2106 (7/Oct 98)
 USB id 154 count 109? (DR). 929 TCS/E3 2100 USB 929(x3) 123456
 7890(Fem/EE - Sun - //12150) 18 Oct 98 (LBJ). 929 TCS/E5 2102
 USB 929 1234567890 (Fem/EE - Sun - //12150) 11 Oct 98 (LBJ)
 10327 English Man (E7) 2000 (28/Sep 98) AM sked 319 key 1409 gc 60
 (DR). English Man (E7) 2000 (30/Sep 98) AM sked 319 key 1409 gc
 60 (DR)
 10328 BPA Fapsi stn M42 (9/26/98) 1524Z RTTY msg 1/190 (BR)
 10363 Spanish Man (V7) 2005 (5/Oct) id 144 null message format (DR)
 10365 Spanish Man (V7) 2001 (12/Oct) sked 144 null message format(DR)
 10423 //12197 Counting Station (E5) 2001 (28/Sep 98) USB id 764 count
 211 (DR). //12197 Counting Station (E5) 2008 (5/Oct 98) USB id
 764? count 211 (DR). // 8125 TCS E5 (09-27-98) 2200Z AM msg
 006 vy weak (BR). // 8125 TCS E5 (10-04-98) 2211Z AM in pro-
 gress (BR). //12197 Counting Station (E5) 2004 (12/Oct 98) USB

id 764(DR). 006 TCS/E5 2200 USB 006 1234567890 (Fem/EE - Sun -
//8125) 11 Oct 98 (LBJ)

10426 HIGH PITCHED POLYTONE (XPH) 0620Z (05.08.98) AM (SD)
10426 HIGH PITCHED POLYTONE (XPH) 0610Z (19.08.98) AM null msg (SD)
10426 HIGH PITCHED POLYTONE (XPH) 0620Z (21.08.98) AM (SD)
10426 E3 LP 1604 (7 Oct) USB ID: 34836, // 7755, 6485 (JRU)
10426 91854 LP/E3 2204 USB 91854 (//6959 - Mon) 5 Oct 98 (LBJ)
10529 usb SINPO 35333 14739 usb very weak calling 964 1234567890
and then count 215 3/2 fgs 1300-1347 utc (Oct 20) also able
to understand on AM. (CT)

10566 cut no's stn M8 (Sept-27-98) 1310Z CW in progress (BR)
10566 cut no's stn M8 (Oct-04-98) 1310Z CW in progress (BR)
10566 M8 1300 CW DIMMD WTUTN RTIDA (Sun) 11 Oct 98 (LBJ)
10566 M8 Cut-numbers 1307z (27-09-98 Sun) CW in progress (PFR)
10597 554 TCS/E5 USB 1500 554 1234567890 (Fem/EE - Fri - very weak -
//12184(also weak)) 9 Oct 98 (LBJ)

10642 Czech Man (S19) 1300? (29/Sep 98) USB (DR)
10715 M?? (Ary - care to try this one?) 1300 Thursday 10/8/98 rapid
CW 5FG w/long zeros used in text. Down at 1310 w/five long
zeros. +60db. This was typical Russian Man family CW trans-
mission, but the first I've encountered with long zeros in
the message. (JM4) [sure like to try John, but I am at work
at that time -Ary-]

10858 cut no's stn M8 (9/24/98) 1211Z CW in progress (BR)
10858 M8 1218 CW (In 5ltr/cutnrs - Sat) 26 Sep 98 (LBJ)
10858 cut no's stn M8 (09-29-98) 1204Z CW in progress (BR)
10858 cut no's stn M8 (10-01-98) 1205Z CW in progress (BR)
10929 RUSSIAN MAN (S7) 0540Z (04.08.98) AM call-up 549 549 549 1
id 248 72 (SD)
10929 RUSSIAN MAN (S7) 0550Z (11.08.98) AM in progress (SD)
10929 RUSSIAN MAN (S7) 0540Z (20.08.98) AM call-up 549 549 549 1
id 248 72 (SD)

11072 //13444 Counting Station (E5) 1802 (28/Sep 98) USB id 633
count 113 (DR). //13444 Counting Station (E5) 1809 (5/Oct 98)
USB id 633 count 113 (DR). 633 TCS/E5 1800 USB 633(x3) 123456
7890 (Fem/EE - Sat - //13444) 17 Oct 98 (LBJ)

11166 SPANISH MAN (V7) 0600Z (11.08.98) AM null msg 103 103 103 000
(SD). SPANISH MAN (V7) 0600Z (20.08.98) AM null msg 103 103
103 000 (SD)

11317.5 has some sort of callup in cw at 1200 utc, ui333,ui333 then
into 3 l/g. I dont know who this is either. (EW) [probably MFA
Pyongyang -Ary-]

11350 M23 2008 (01/Oct) CW ID 735 No message (VM)
11430 New Star Broadcasting/V13 1300 Wednesday 10/14/98 YL/CC 4FGx2
in progress. (JM4). New Star Broadcasting/V13 1200 Wednesday
10/14/98 YL/CC 4FGx2 inprogress. (JM4)

11487 V7 SPANISH MAN 0600 (13 Oct Tue) AM 434 434 434 000 needle-
bending signal strength (JRU)

11491 //13450 Counting Station (E5) 1604 (1/Oct 98) USB id 322
 count 79(DR). TCS 1911 USB (In 5 fig tfc - female/EE 3/2 //
 13450 - sat) 26 Sep 98 (LBJ)
 11492 322 TCS/E5 1903 USB 322 1234567890 (Fem/EE - Sat - //13450)
 10 Oct 98 (LBJ)
 11545 //13375//15682 LP (E3) 1509 (28/Sep 98) USB
 id 20096 (DR). //12603//13375 LP (E3) 1609
 (28/Sep 98) USB id 24448 (DR). //13375 LP/E3 1500 Saturday Oct/
 3/98 YL/EE rptg 34444 and into 5FGx2.(JM4). LP/E3 1510 USB (In
 tfc - very weak - N/H on 9251 - Fri) 9 Oct 98 (LBJ). LP/E3 1712
 USB (In tfc - very weak - N/H on 9251 - Fri) 9 Oct 98 (LBJ).
 // 12603// 13375 LP E3 1505 sun 4 Oct USB
 YL/EE 92438 (JD). // 12603// 13375 LP E3 1600
 sat 10 Oct USB YL/EE 58687 (JD). // 12603// 13375 LP E3 1703
 sat 10 Oct USB YL/EE 89728 (JD). // 13357// 16084 LP E3 1906
 sat 10 Oct USB YL/EE 91854 (JD). // 12603// 13375 LP E3 1502
 sun 11 Oct USB YL/EE 92438 (JD). // 8464// 10426 LP E3 1607
 sun 11 Oct USB YL/EE 61238 (JD). E3 LP 1404 (10 Oct) USB ID:
 61238 // 10426, 144487 (JRU). E3 LP 1503 (10 Oct) USB ID:
 34440 // 12603, 13375 (JRU). 09807 LP/E3 2100 USB (Music) 09807
 (Fem/EE - Mon - //9251) 19 Oct 98 (LBJ). LP/E3 2035 USB (IN 5
 FIG/TFC - Fem/EE - QSZ - Mon) 19 Oct 98 (LBJ). 22833 LP/E3 1800
 USB (Music) 22833 (Cont't - Fem/EE - Sat - //16084) 17 Oct 98
 (LBJ). //13375//15682 LP/E3 1500 Mon 10/19/98 YL/EE rptg 85866
 into 5FGx2. Major audio problem - sounded like calliope was
 being played under water. (JM4). LP/E3 1504 USB (Music - too
 weak to copy - Sun) 11 Oct 98 (LBJ). LP/E3 1602 USB (Music -
 too weak to copy - Sun) 11 Oct 98 (LBJ). LP/E3 1900 USB (Music
 - too weak to copy - Sun) 11 Oct 98 (LBJ). LP/E3 2000 USB (Music
 - too weak to copy - Sun) 11 Oct 98 (LBJ). 19367 LP/E3 2000 USB
 (Music) 19367 (Fem/EE - Sat //10426 //6900) 10 Oct 98 (LBJ).
 91854 LP/E3 1807 USB (Music) 91854 (Fem/EE - Sat - //16084)
 10 Oct (LBJ)
 11565 EZI Mossad/E10 0100 USB EZI (Sun) 27 Sep 98 (LBJ)
 11565 // 13533 E10 MOSSAD 1531 (7 Oct) AM EZI2 (JRU)
 11565 MOSSAD/E10 0100 Sunday 10/11/98 YL/EE rptg EZI into 5LG. (JM4)
 11565 E10 MOSSAD 1432 (10 Oct) AM EZI, msg followed. //13533 (JRU)
 11565 MOSSAD/E10 0100 Friday 10/23/98 YL/EE rptg EZI very weak. (JM4)
 11565 MOSSAD/E10 0100 Thursday 10/21/98 YL/EE rptg EZI weak. (JM4)
 11565 EZI Mossad/E10 2102 USB EZI (Fem/EE - Sun) 18 Oct 98 (LBJ)
 11565 MOSSAD/E10 0100 Monday 10/19/98 YL/EE rptg EZI2 then down. (JM4)
 11565 EZI Mossad/E10 2100 USB EZI (Tue) 13 Oct 98 (LBJ)
 11565 EZI Mossad/E10 2106 USB (Sat) 10 Oct 98 (LBJ)
 11565 MOSSAD/E10 0100 Wedn 10/14 YL/EE rptg EZI2 then down. (JM4)
 11566 unk 2327 AM (In 5 fig tfc - female/SS - fri) 25 Sep 98 (LBJ)
 11637 GMN Fapsi stn M42 (9/24) 0045Z RTTY sending 46's - no tfc (BR)
 11637 GMN FAPSI stn M42 (10-01) 0045Z RTTY 46's no tfc (BR)
 12066 SPANISH MAN (V7) 0611Z (11.08) AM null msg 103 103 103 000 (SD)

12066 SPANISH MAN (V7) 0609Z (20.08) AM null msg 103 103 103 000 (SD)
12126 HIGH PITCHED POLYTONE (XPH) 0640Z (05.08.98) AM (SD)
12137 Fapsi Moscow, RUS 14.35 (Oct 12) RTTY 75bd Many long msgs to
RAD on link 70037 (AB). Fapsi Moscow, RUS 15.30 (Oct 13) RTTY
75bd Msgs to RAD on link 70037 (AB)
12178 Spanish Man (V7) 2005 (28/Sep) id 309?? null message format(DR)
12180 English Man, RUS 19.15 (Oct 18) AM 607 + 5FG ends with 00000(AB)
12194 Fapsi Moscow, RUS 14.10 (Oct 13) RTTY 75bd Msgs to KUL on link
00142 (AB)
12197 159 TCS/E5 2001 USB 159(x3) 1234567890 (Fem/EE - Sun - //10527)
4 Oct 98 (LBJ). E5 YL Counting 2043z 180oct 98 [BC3]
12300.5 // 14421 TCS V5 (9/26/98) 0315Z AM in progress (BR)
12603 E3 LP 1500 (9 Oct) USB ID: 58687 // 11545, 13375 (JRU)
12950 E10 MOSSAD 1447 (10 Oct) AM VLB2, //8465, 10125, going on until
at least 1505 when last checked (JRU)
13366 M12 0630Z (20.08.98) USB 957 957 957 000 (SD)
13375 LP E3 1500 (8 Oct) USB My initial intercept of a daily sched
on this freq at 1500, 1600, 1700, and 1800. Tune and callup at
hour, message, three beeps and tune at xx45, sine wave test tone
at xx47, tune and broadcast again at next hour. (HS). LP/E3
1600 Friday 10/16/98 extremely weak - only tune audible. (JM4)
13387 V7 SPANISH MAN 0610 (13 Oct Tue) AM 434 434 434 000 also really
strong sig. (JRU). Spanish Man (V7) 0622 (8/Oct 98) sked 434
key 1842 gc 53 (DR)
13423 Fapsi Moscow, RUS 9.00 (Oct 13) RTTY 75bd Msgs to WQL on link
80061 (AB)
13444 Counting Station/E5 1800 Saturday 10/10/98 YL/EE rptg 633
extremely weak and not heard on //11072. (JM4)
13444 633 TCS/E5 1800 USB 633 1234567890 (Fem/EE - Sat - //11072) 10
Oct 98 (LBJ))
13450 //14448 Counting Station (E5) 1700 (28/Sep 98) USB id 136 count
40 (DR). //14448 Counting Station (E5) 1906 (28/Sep 98) USB id
071 count 192 (DR). // 14448 TCS E5 (09-28-98) 1915Z AM in
progress (BR). 402 TCS/E5 1704 USB 402(x3) 1234567890 (Fem/EE -
Sun) 4 Oct 98 (LBJ). 402 1700 TCS/E5 1700 USB 402 1234567890 -
Fri) 9 Oct 98 (LBJ). //14448 Counting Station (E5) 1905 (12/
Oct 98) USB id 071 count 192 (DR). 136 TCS/E5 1700 USB 136
1234567890 (Fem/EE - Mon - weak) 12 Oct 98 (LBJ).
13452 JMS Fapsi stn M42 (9/24/98) 2241Z RTTY TIKAS msg (BR). JMS
Fapsi stn M42 (9/25/98) 2238Z RTTY msg 1/190 (BR). JMS FAPSI
stn M42 (09-28-98) 2237Z RTTY TIKAS msg (BR). JMS FAPSI stn M42
(09-29-98) 2238Z RTTY 1/3 msg & TIKAS (BR). CUBA SVR/FAPSI 2255
RTTY 75/500 5LG tfc on link 00127, to JMS supposedly. XInt.(12
OCT) (ANUS)
13452 //15478 TCS/V5 0100 Friday 10/23/98 YL/SS rptg 803 Grupo 127
3/2FG. (JM4)
13518 964 TCS/E5 1303 USB 964(x3) 1234567890 (fem/EE - Sat - //14739)
3 Oct 98 (LBJ)

13556 HZW Fapsi stn M42 (9/26/98) 2013Z RTTY msgs 3/455 & TIKAS (BR)
13556 HZW FAPSI stn M42 (10-05-98) 2008Z RTTY 1/91 msg (BR)
13556 Counting Station, ??? 14.39 (Oct 25) AM in progress (AB)
13750 New Star Broadcasting/V13 1300 Wednesday 10/14/98 YL/CC 4FGx2
in progress. (JM4)
13874 Counting Station (E5) 1700 (29/Sep) USB id 153 count 213 (DR)
13906 // 15732 TCS E5 (9/23/98) 1212Z AM in progress (BR)
13906 TCS/E5 1200 Wednesday 10/14/98 YL/EE rptg 513 Count 215 into
3/2FG. Not heard on //15732(JM4)
14000 Phonetic alphabet pre NATO E15 1411 sun 11 Oct USB OM/EE very
weak. Callsign missed (JD)
14373 KAC Fapsi stn M42 (9/26/98) 2057Z RTTY TIKAS msg (BR)
14402 FAPSI stn M42 possibly MIG (id=00104) 1218Z hand sending 5LG
in RTTY. Carrier on at 1130Z. Sent some Morse to other stn
1200-1218Z. other stn possibly WFO - didn't find them (BR)
14402 Fapsi Moscow, RUS 12.10 (Oct 13) RTTY 75bd. link 00104 (AB)
14421 // 12300.5 TCS V5 (10-06-98) 0300Z AM msg 196 (BR)
14487 //15682//16084 LP/E3 1300 Thursday 10/8/98 YL/EE rptg "92340"
w/tune into 5FGx2. (JM4). //15682//16084 E3 LP 1407z (24-09-98
Thu) USB 59882. // 15682 were both obscured by other transmis-
sions on nearby freqs; 16084 louder but still tough to hear #s
- not sure of ID (PFR). E3 LP 1400z (27-09-98 Sun) USB barely
audible voice; can hear tune reasonably well (PFR). // 15682//
16084 LP E3 1207 sun 4 Oct USB YL/EE 34440 (JD). // 15682//
16084 LP E3 1301 sun 4 Oct USB YL/EE 92340 (JD). // 15682//
11545 LP E3 1406 sun 4 Oct USB YL/EE 19367 (JD). // 11545//
15682 LP E3 1408 sun 11Oct USB YL/EE 19367 (JD). E3 LP 1317
(10 Oct) USB ongoing 5 fg*2 by YL, // 15682, 16084 (JRU)
14487 Spanish Man (V7) 0648 (8/Oct 98) In progress (DR)
14487 //15682//16084 LP/E3 1400 Thursday 10/21/98 YL/EE rptg 82160
into 5FGx2. (JM4). //15682//16084 LP/E3 1300 Wednesday 10/14/98
YL/EE rptg 92340 into 5FGx2. (JM4). LP/E3 1200 Wednesday 10/14
extremely weak. (JM4)
14731 BPA Fapsi stn M42 (9/26/98) 1515Z RTTY msg 1/190 (BR)
14731 BPA FAPSI stn M42 (10-05-98) 1515Z RTTY 46's no tfc (BR)
14784 M12 0652 (20/Sep) CW ID 134 Null message (VM)
14843 JMS Fapsi stn M42 (9/24/98) 2230Z RTTY TIKAS msg (BR)
14843 JMS Fapsi stn M42 (9/25/98) 2230Z RTTY msg 1/190 (BR)
14843 JMS FAPSI stn M42 (09-28-98) 2230Z RTTY TIKAS msg (BR)
14843 JMS FAPSI stn M42 (09-29-98) 2230Z RTTY 1/3 msg & TIKAS (BR)
14843 JMS FAPSI stn M42 (09-30-98) 2230Z RTTY 46's no tfc (BR)
14855 English Man (E6) 1204 (29/Sep) AM sked 794 key 560 gc 31 (DR)
14890 Russian man control S25 0801z mon 12 Oct USB OM/RR 615 615 615
65861 (JD)
14931 8BY (09-27-98) 2140Z CW "146/313/992/099" (BR)
15478 // 16050 TCS V5 (9/23/98) 0100Z AM (BR)
15478 // 16050 TCS V5 (9/25/98) 0100Z AM msg 078 count 224 (BR)
15478 Counting Station/V5 0100 Friday 10/9/98 YL/SS rptg 803 Grupo

1273/2FG. Not heard on usual //16050 and very weak. (JM4)
 15478 Counting Station/V5 0100 Friday 10/16/98 YL/SS rptg 803 Grupo
 127 into 3/2FG. Not heard on usual //16050. (JM4)
 15478 //16050 TCS/V5 0100 Wednesday 10/14/98 YL/SS rptg 803 Grupo
 127 into 3/2FG. (JM4)
 15624 CHERRY RIPE (E4) 2205Z (25.08.98) USB id 13553 (SD)
 15682 38085 LP/E3 1309 USB (Music) 38085 (Fem/EE - Sun -//14487) 25
 Oct 98 (LBJ)
 15833 TCS E5 (9/26/98) 1400Z AM msg 652 (BR)
 15836 RUSSIA SVR/FAPSI/whoever 1148 6-tone mazielka callup, into
 RTTY 75/500, too weak to copy other than to note some 5LGs.
 (13 OCT) (ANUS)
 16084 LP E3 1334 (12 Oct) USB Weak, in progress (HS)
 16216 Unid 7.50 (10 Oct) CW "TTT 149 149 149 TTT" (LAG)
 16218 HZW Fapsi stn M42 (9/26/98) 2000Z RTTY msgs 3/455 & TIKAS (BR)
 16218 HZW FAPSI stn M42 (10-05-98) 2000Z RTTY 1/91 msg (BR)
 16316 NO C/S: Unid FAPSI sta. 1406 CW at 169 bpm. 5FG, 0 cut as T,
 unil 1427. Then came buzzer-like tones in a melody that sounded
 like a Russian folk tune until 1432. Back to CW w/"989" rptd
 until 1441, then into 5FG's until 1517. No s/off. 22/Oct (RM)
 17499 CHERRY RIPE (E4) 2300Z (13.08.98) USB id 80715 //22108 (SD)
 17499 CHERRY RIPE (E4) 0001Z (23.08.98) USB id 13553 //22108 (SD)
 17499 CHERRY RIPE (E4) 2300Z (24.08.98) USB in progress //22108 (SD)
 17499 CHERRY RIPE (E4) 0005Z (25.08.98) USB id 60939 //22108 (SD)
 17499 CHERRY RIPE (E4) 0001Z (22.09.98) USB id 25453 //22108 (SD)
 17499 CHERRY RIPE (E4) 2300Z (24.09.98) USB id 62405 //22108 (SD)
 17499 Cherry Ripe/E4 2300 Wednesday 10/14/98 extremely weak. (JM4)
 17499 Cherry Ripe/E4 0000 Thursday 10/15/98 extremely weak. (JM4)
 18000 Phonetic alphabet pre NATO E15 1106z mon 12 Oct USB OM/EE
 BEC QRU (JD)
 18401 KAC Fapsi stn M42 (9/26/98) 2050Z RTTY TIKAS msg (BR)
 18415 8BY (9/26/98) 1540Z CW "146/395/973/893/860" (BR)
 18415 8BY (10-05-98) 1540Z CW "146/476" (BR)
 19884 CHERRY RIPE (E4) 0100Z (22.09.98) USB id 41061 //21866 (SD)
 19884 //21866 Cherry Ripe/E4 0100 Monday 10/5/98 extremely weak -
 only tune was heard. (JM4)
 19884 //21866 E4 Cherry Ripe 0100z (06-10-98 Tue) USB Tune audible;
 think header was 68294 but not sure - very faint (PFR)
 19884 //21866 Cherry Ripe/E4 0100 Friday 10/9/98 YL/EE rptg 17229 w/
 tune into 5FGx2. (JM4)
 17499 //22108 Cherry Ripe/E4 0000 Monday 10/19/98 YL/EE rptg 87416
 into 5FGx2. (JM4)
 19923 PSN Fapsi stn M42 (9/24/98) 2252Z RTTY TIKAS msg (BR)
 19923 PSN Fapsi stn M42 (9/25/98) 2250Z RTTY msgs 2/296 (BR)
 19923 PSN Fapsi stn M42 (9/26/98) 2247Z RTTY TIKAS msg (BR)
 19923 PSN FAPSI stn M42 (09-28-98) 2248Z RTTY 1/69 msg & TIKAS (BR)
 19923 PSN FAPSI stn M42 (09-29-98) 2247Z RTTY 1/3 msg (BR)
 19923 PSN FAPSI stn M42 (09-30-98) 2250Z RTTY 2/235 msgs (BR)

19923 PSN FAPSI stn M42 (10-01-98) 2252Z RTTY 4/362 msgs (BR)
 19923 PSN FAPSI stn M42 (10-06-98) 2247Z RTTY 1/47 msg (BR)
 19884 Cherry Ripe/E4 0100 Monday 10/19/98 YL/EE rptg 32819 into
 5FGx2. (JM4)
 20048 P 1520 CW (P-Marker) (Sun) 11 Oct 98 (LBJ) [navy Kaliningrad]
 20048 C 1520 CW (C-Marker) (Sun) 11 Oct 98 (LBJ) Russian Navy, near
 Moscow -jru
 20474 CHERRY RIPE (E4) 1037Z (21.09.98) USB in progress //23461 (SD)
 20474 CHERRY RIPE (E4) 1100Z (21.09.98) USB id 54860 (SD)
 20474 // 23461 Cherry ripe E4 1005z mon 12 Oct USB YL/EE 68294 (JD)
 22108 Cherry Ripe/E4 1300 Thursday 10/8/98 extremely weak - only tune
 heard. (JM4). E4 Cherry Ripe 0008z (07-10 Wed) USB in progress
 (PFR). Cherry Ripe/E4 0000 Friday 10/23/98 YL/EE rptg 38234 and
 into 5FGx2.(JM4). Cherry Ripe/E4 2300 Thursday 10/22/98 YL/EE
 rptg 37194 and into 5FGx2. (JM4). Cherry Ripe/E4 0000 Thursday
 10/21/98 YL/EE rptg 37194 into 5FG. (JM4). Cherry Ripe/E4 1300
 Wednesday 10/14/98 extremely weak. (JM4).
 22865 PSN Fapsi stn M42 (9/24/98) 2240Z RTTY TIKAS & 1/48 msg (BR)
 22865 PSN Fapsi stn M42 (9/25/98) 2240Z RTTY msgs 2/296 (BR)
 22865 PSN Fapsi stn M42 (9/26/98) 2240Z RTTY TIKAS msg (BR)
 22865 PSN FAPSI stn M42 (09-28-98) 2240Z RTTY 1/69 msg & TIKAS (BR)
 22865 PSN FAPSI stn M42 (09-29-98) 2240Z RTTY 1/3 msg (BR)
 22865 PSN FAPSI stn M42 (09-30-98) 2240Z RTTY 2/235 msgs (BR)
 22865 PSN FAPSI stn M42 (10-01-98) 2240Z RTTY 4/362 msgs (BR)
 22865 PSN FAPSI stn M42 (10-06-98) 2240Z RTTY 1/47 msg (BR)
 23461 Cherry ripe E4 1104z mon 12 Oct USB YL/EE 54542 (JD)

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The XPH-schedule for october was as follows:

0600z - 12103Khz

0620z - 13503kHz

0640z - 14803kHz

November will see a new set.

Tnx Andy from the UK.

And Guy Denman has info on S19:

S 19 (Czech Man) is on again with its monthly transmission on 10642 at
 1300. So it must start on Thursday. It will be on every day now up to
 Tuesday. Different IDs each day. Today's IDs, 48285 06 17 58223 78 17
 74344 37 16 45917 14 18. It is also quite possible that the morse
 equivalent M10C will be on as well on 5020 at 1000 but I have not
 checked that as yet.

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Tnx to this month's contributors:

AB : Ary Boender, THE NETHERLANDS
AC : is located in THE NETHERLANDS
AD : Al Dudley, Washington DC, USA
ANUS : Anonymous, USA
BC3 : Bryan Curtis, AUSTRALIA
BR : Bob Roehrig, Illinois, USA
CT : Clarence Thopson, Texas, USA
DR : Darren Riley, UK
ED : Erik Dyce, Colorado, USA
EW : Eddy Waters, AUSTRALIA
GD2 : Guy Denman, UK
HS : Hugh Stegman, on vacation in New York, USA
JAMMO: Anonymous, Southern UK
JD : Johnathan Drakes, UK (I could not include all your logs due
to the reformatting work this would require, sorry !)
JM4 : John Maky, Arkansas, USA
JRU : Jascha Ruessler, GERMANY
KH : Karel Honzik, CZ.
LAG : Larsen, GERMANY
LBJ : JP LeBlanc, Ontario, CANADA
PFR : Paul F. Reah, Arizona, USA
RM : Robert Margolis, USA
RP : Rimantas Pleikys, LITUANIA
SD : Simon Deneen, AUSTRALIA
VM : Valeriano Martin, SPAIN

Logs included until oct 27, 1998, 1100 utc. 73 de jascha.

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